TLC FINAL TERM EXAMINATIONS 2021

SIMEON

LEARNER'S NAME: ……

CLASS: ……

SCIENCE PAPER 1 **1 hour 30 minutes**

Additional Materials: NONE

READ THESE INSTRUCTIONS FIRST

1. Candidates to answer **ALL** questions on the Question Paper.
2. Write in **pencil**.
3. Do not use **correction fluid /tape.**
4. Take note of the number of marks given in brackets **[ ]** at the end of each question.
5. Dictionaries are not allowed.
6. Total marks for the paper is **50.**

DO NOT turn exam paper over until instructed to do so

There are **TEN (10)** questions in this Question Paper. Answer **ALL** questions.

[TOTAL MARKS: 50]

1. a) Humans rear animals in farms for food. Write down **one** positive effect this has on animals in the wild which were once hunted for food.

……
……**[1]**

b) Scientists have carried out research to produce rice plants that can resist pests. Suggest **one** positive effect this has on the environment.

……
……**[1]**

c) Using technology, humans are able to build taller buildings that can house many people. This means that more people are able to occupy a smaller area of land.
Write down **one** positive effect this has on the habitats of other living things.

……
……**[1]**

2. a) A farming village does not treat its wastewater before releasing it into a nearby river. Write down **two** ways in which the wastewater will harm the living things in and around the river.

……
……
……**[2]**

b) Some pollutants runoff from the farms into the river and cause large amounts of algae to grow on the water surface.

(i) Identify the water pollutant.

……..**[1]**

(ii) How does the water pollutant help in the growth of algae?

……

……**[1]**

(iii) Write down **one** negative effect of algae on the water plants in the river.

……

……**[1]**

(iv) Write down **one** negative effect of algae on the fish in the river.

……

……**[1]**

c) The villagers throw their waste into open rubbish dumps on the land. How does this affect the environment on land and in the river? Briefly describe **one** effect for each.

Land:

……

……**[1]**

Water:

……

……**[1]**

d) Suggest **one** way in which the villagers can reduce the negative effects on the environment caused by throwing waste into open rubbish dumps.

……

……**[1]**

3. Aminah, Bee Bee and John started a Clean and Green Club to care for the environment in their school. Complete this table by writing **one** example for each aim listed.

Aim	What can be done
Reduce energy consumption in the school	
Reduce waste in the school	
Reuse things in the school	
Recycle waste in the school	
Let other pupils be aware of ways to take care of the environment	

[5]

4. Create a flowchart showing the path through which air from outside the body moves into the human body.

[6]

5. Write the functions of the following organs:

   i) Kidney = ……..
   ii) Bladder = …….
   iii) Windpipe = ……..
   iv) Large intestine = …….
   v) Small intestines = ……

[5]

6. Explain how air pollution can affect human health. Give examples.

……
……
……
……..**[4]**

7. Write down **two** reasons why humans need to clear forests.

……
……..**[2]**

8. Forests are sometimes cleared by burning. Which of these are the negative effects of burning forests on the environment? Tick (✔) the correct answers.

Air pollution	
Climate change	
Extinction of species	
Global warming	
Greenhouse effect	
Hazy sky	
Health problems	
Landslides	
Loss of habitats	
Soil erosion	

[10]

9. Suggest 3 ways to save the environment

……

……

……..**[3]**

10. Create a food web with 3 food chains in it.

[3]

THIS IS THE END OF THE QUESTION PAPER